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## NOTICE OF ALLOWANCE AND FEE(S) DUE

89453

7590

03/22/2010

Ditthavong Mori & Steiner, P.C. 918 Prince Street Alexandria. VA 22314 EXAMINER

WILLS, MONIQUE M

ART UNIT PAPER NUMBER

1795 DATE MAILED: 03/22/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.

10/535,192 05/18/2005 Kimiyoshi Kobayashi P3506US00 SEM-0005 3875

TITLE OF INVENTION: FUEL CELL OPTIMUM OPERATION POINT TRACKING SYSTEM IN POWER SUPPLY DEVICE USING FUEL CELL AND POWER SUPPLY DEVICE PROVIDED WITH THIS FUEL CELL OPTIMUM OPERATION POINT TRACKING SYSTEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	06/22/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

### PART B - FEE(S) TRANSMITTAL

### Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE EEE and PURI ICATION EEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further of indicated unless correcte maintenance fee notificat	correspondence includir d below or directed oth	ig the ierwise	Patent, advance or in Block 1, by (a	ders and notification of a) specifying a new corr	maintenance fees espondence address	will be ; and/or	mailed to the current r (b) indicating a sepa	correspondence address as rate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Fe	e(s) Transmittal. Th pers Each addition:	iis certif al paper	ficate cannot be used fo	r domestic mailings of the or any other accompanying nt or formal drawing, must
		/2010			Ce	rtificate	e of Mailing or Transı	nission deposited with the United t class mail in an envelope above, or being facsimile ate indicated below.
								(Depositor's name)
								(Signature)
								(Date)
APPLICATION NO.	FILING DATE			FIRST NAMED INVENTO	R	ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/535,192	05/18/2005		I .	Kimiyoshi Kobayashi P3506U		06US00 SEM-0005	3875	
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APPLN. TYPE	SMALL ENTITY	IS	SUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSU	JE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO		\$1510	\$300	\$0		\$1810	06/22/2010
EXAMINER ART		ART UNIT	CLASS-SUBCLASS					
WILLS, MONIQUE M 1795		1795	429-022000	_				
"Fee Address" indi PTO/SB/47; Rev 03-0. Number is required.  3. ASSIGNEE NAME AN PLEASE NOTE: Unla	ess an assignee is ident in 37 CFR 3.11. Comp	' Indica ed. Use A TO B	ation form e of a Customer  BE PRINTED ON Toology, no assignee.	(1) the names of up or agents OR, alternal (2) the name of a sing registered attorney or 2 registered patent att listed, no name will b THE PATENT (print or to data will appear on the Γ a substitute for filing at (B) RESIDENCE: (CIT	gle firm (having as agent) and the nan orneys or agents. If e printed.  ype) patent. If an assign assignment.	a memb nes of u no nam	per a 2	ocument has been filed for
Please check the appropri	ate assignee category or	catego	ories (will not be pr	inted on the patent):	Individual C	orporati	ion or other private gro	up entity Government
4a. The following fee(s) are submitted:  ☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			ed)	4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)  ☐ A check is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).				
a. Applicant claims	us (from status indicated s SMALL ENTITY statu	ıs. See	37 CFR 1.27.	☐ b. Applicant is no lo				
NOTE: The Issue Fee and interest as shown by the re	l Publication Fee (if requeecords of the United Sta	uired) v tes Pat	will not be accepted ent and Trademark	d from anyone other than Office.	the applicant; a reg	istered	attorney or agent; or th	e assignee or other party in
Authorized Signature					Date			
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This collection of informa an application. Confident submitting the completed this form and/or suggestion	ation is required by 37 C iality is governed by 35 application form to the ons for reducing this bu	FR 1.3 U.S.C USPT den, sl	311. The information 122 and 37 CFR O. Time will vary hould be sent to the	on is required to obtain on 1.14. This collection is e depending upon the ind e Chief Information Offi	retain a benefit by stimated to take 12 ividual case. Any c cer, U.S. Patent and	the pub minutes omment Traden	lic which is to file (and is to complete, including its on the amount of tin mark Office, U.S. Depa	by the USPTO to process) g gathering, preparing, and ne you require to complete rtment of Commerce, P.O.

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10/535,192	05/18/2005	Kimiyoshi Kobayashi	P3506US00 SEM-0005	3875	
89453	7590 03/22/2010		EXAM	IINER	
Ditthavong Mori & Steiner, P.C.			WILLS, MONIQUE M		
918 Prince Street			ART UNIT	PAPER NUMBER	
Alexandria, VA 2	2314		1795		
			DATE MAILED: 03/22/201	0	

## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 1017 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 1017 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)						
	10/535,192	KOBAYASHI ET AL.						
Notice of Allowability	Examiner	Art Unit						
	Monique M. Wille	1705						
	Monique M. Wills	1795						
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED if or other appropriate comm <b>IGHTS.</b> This application is	n this application. If not included unication will be mailed in due course. <b>THIS</b>						
1. X This communication is responsive to the election filed 12/8	<u>3/09</u> .							
2. X The allowed claim(s) is/are <u>1-8,17-21,23-27 and 158</u> .								
<ul> <li>3.  Acknowledgment is made of a claim for foreign priority ur</li> <li>a)  All b)  Some* c)  None of the:</li> <li>1.  Certified copies of the priority documents have</li> </ul>		or (f).						
2. Certified copies of the priority documents have	e been received in Applicati	on No						
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the								
International Bureau (PCT Rule 17.2(a)).								
* Certified copies not received:								
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.								
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give								
5. CORRECTED DRAWINGS ( as "replacement sheets") mus	st be submitted.							
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached								
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date								
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date								
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t								
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.								
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5 ☐ Notice of I	nformal Patent Application						
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)		Summary (PTO-413),						
· · · · · · · · · · · · · · · · · · ·	Paper No.	/Mail Date						
3. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 6/30/09 & 5/18/05	7. 🛛 Examiner's	s Amendment/Comment						
4. Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's	Statement of Reasons for Allowance						
of Biological Material 9. ☐ Other								
/Monique M Wills/		<del></del>						
Examiner, Art Unit 1795								

#### Election/Restrictions

Claim 27 is directed to an allowable product. Pursuant to the procedures set forth in MPEP § 821.04(B),

Because all claims previously withdrawn from consideration under 37 CFR 1.142 have been rejoined, the restriction requirement as set forth in the Office action mailed on 12/8/09 is hereby withdrawn. In view of the withdrawal of the restriction requirement as to the rejoined inventions, applicant(s) are advised that if any claim presented in a continuation or divisional application is anticipated by, or includes all the limitations of, a claim that is allowable in the present application, such claim may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application. Once the restriction requirement is withdrawn, the provisions of 35 U.S.C. 121 are no longer applicable. See *In re Ziegler*, 443 F.2d 1211, 1215, 170 USPQ 129, 131-32 (CCPA 1971). See also MPEP § 804.01.

### **REASONS FOR ALLOWANCE**

The following is an examiner's statement of reasons for allowance: the instant claims are allowable over the prior art of record, because the prior art is silent to a fuel cell optimum operating point tracking system used in a power source device powered by a fuel cell, configured so as to improve a responsiveness thereof by monitoring a power

state comprising a fuel cell output power measuring unit cable of measuring the power state of the fuel cell and a fuel cell optimum operating point tracing unit cable of tracing an optimum operating point as specified in claim 1.

### Conclusion

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Monique Wills whose telephone number is (571) 272-1309. The Examiner can normally be reached on Monday-Friday from 8:30am to 5:00 pm.

If attempts to reach Examiner by telephone are unsuccessful, the Examiner's supervisor, Patrick Ryan, may be reached at 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

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Art Unit: 1795

Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov.Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Monique M Wills/ Examiner, Art Unit 1795

/PATRICK RYAN/ Supervisory Patent Examiner, Art Unit 1795